

CLAIMS

1. A composition for promoting weight loss in a mammal comprising effective amounts of at least three nutrients selected from the group consisting of L-carnitine, chromium, Vitamin A, and a source of carbohydrates selected from a low glycemic index grain.

2. A composition for promoting weight loss in a mammal comprising effective amounts of L-carnitine, chromium, Vitamin A, and a source of carbohydrates selected from a low glycemic index grain.

3. The composition of claim 1 comprising from about 15 to 195 ppm L-carnitine, from about 10 to about 500 micrograms of chromium, and from about 50,000 IU to about 1,000,000 IU of vitamin A per kilogram of diet.

4. ~~The composition of claim 1 comprising from about 20 to 150 ppm L-carnitine.~~

5. ~~The composition of claim 1 comprising from about 50 to 100 ppm L-carnitine.~~

6. The composition of claim 1 comprising from about 50,000 IU to about 500,000 IU of Vitamin A per kilogram of diet.

7. The composition of claim 1 comprising from about 50,000 IU to about 150,000 IU of Vitamin A per kilogram of diet.

8. ~~The composition of claim 1 wherein said source of carbohydrates comprises a grain selected from the group consisting of sorghum, barley, corn, and blends thereof.~~

9. The composition of claim 1 further including from about 18 to 40 wt% crude protein, from about 4 to 30 wt% fat, and from about 2 to 20 wt% total dietary fiber.

10. A process for promoting weight loss in a mammal comprising the step of feeding said mammal a composition containing effective amounts of a combination of at least three nutrients selected from the group consisting of L-carnitine, chromium, Vitamin A, and a source of carbohydrates selected from a low glycemic index grain.

5 11. The process of claim 10 in which said composition is fed to said mammal in an amount of from about 1.0 to 10.0 mg of L-carnitine per kilogram of body weight per day, from about 5.0 to about 15.0 micrograms of chromium per kilogram of body weight per day, from about 200 to 600 IU of vitamin A per kilogram of body weight per day, and from about 1.0 to 3.0 grams of starch per kilogram of body weight per day.

10 12. The process of claim 11 wherein said L-carnitine is fed to said mammal in an amount of from about 2.5 to about 5.0 mg per kilogram of body weight per day.

13. The process of claim 10 wherein said source of carbohydrates is selected from the group consisting of sorghum, barley, corn, and blends thereof.

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